

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	4946484
<b>Application Number:</b>	10626420
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	9856
<b>Title of Invention:</b>	Method and apparatus for implementing processor instructions for accelerating public-key cryptography
<b>First Named Inventor/Applicant Name:</b>	Sheueling Chang Shantz
<b>Customer Number:</b>	58467
<b>Filer:</b>	Robert C. Kowert/Dena Poudrier
<b>Filer Authorized By:</b>	Robert C. Kowert
<b>Attorney Docket Number:</b>	6000-32301
<b>Receipt Date:</b>	11-MAR-2009
<b>Filing Date:</b>	24-JUL-2003
<b>Time Stamp:</b>	14:59:15
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$ 180
RAM confirmation Number	171
Deposit Account	501505
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Filed (SB/08)	IDS3.pdf	42643	no	8
			f7a1570195a1ba30f54716984867663d0f7a6950		
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
2	NPL Documents	A-Compact-Fast-Variable.pdf	171180	no	2
			c0c55cc5e3ce39b3094d763cacd83cef967aec33		
Warnings:					
Information:					
3	NPL Documents	Additional-ECC-Groups-for-IKE.pdf	703606	no	18
			298133d7ca7afb9343c27b41c2632f004b327a33		
Warnings:					
Information:					
4	NPL Documents	A-Fast-Algorithm-for-Computing.pdf	255656	no	4
			376b41b63dce6c8ecc882e73794551b6481b91a8		
Warnings:					
Information:					
5	NPL Documents	A-High-Performance-Reconfigurable-Elliptic.pdf	1235431	no	16
			9758fd6339d7d19b951e5cd5e0c6e2cf6a602e3		
Warnings:					
Information:					
6	NPL Documents	A-Less-Recursive-Variant.pdf	477104	no	8
			40faea1c3b1f9d932c55d33e8b48a6329539922c		
Warnings:					
Information:					
7	NPL Documents	An-Energy-Efficient-Reconfigurable-Public-Key.pdf	1264887	no	14
			fdaa54dbd2f8ec11f40f89cd63c05e01b49efa38		
Warnings:					
Information:					
8	NPL Documents	An-Implementation-of-Elliptic.pdf	796065	no	10
			70f3660cf843c3d21780df2faf5a43686c1925ee		
Warnings:					
Information:					

9	NPL Documents	A-Practical-Implementation.pdf	965310	no	15
			aa929e3f93ce93f8cb4f2d5ec839d37dc6358539		
Warnings:					
Information:					
10	NPL Documents	Comparing-Elliptic-Curve.pdf	812516	no	14
			4c7fd66f8db0c5f954e53810a4420ca24451d74d		
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11	NPL Documents	Digital-Signature-Standard.pdf	1878846	no	76
			cbf5423fdc31239435a92dd64f2f675f6ff8118a		
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12	NPL Documents	ECC-Cipher-Suites-for-TLS-031501.pdf	834279	no	22
			9dd1caeec4bb23497a83b589d926951719ea9187		
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13	NPL Documents	ECC-Cipher-Suites-for-TLS.pdf	897679	no	32
			ab62e7b30a267b2cc4f9390036bc516181f99bc2		
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14	NPL Documents	Efficient-Algorithms-for-Elliptic-Curve-Cryptosystems.pdf	842966	no	16
			4f3ff3c3f16052b415863f797684d0e7b148b8d6		
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15	NPL Documents	Elliptic-Curve-Cryptography.pdf	1750123	no	22
			ed6e664e34dff49d9d08272ee5bcc8e9aa49f60		
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16	NPL Documents	Elliptic-Curve-Cryptosystems.pdf	535310	no	8
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17	NPL Documents	Exponential-Cryptosystems.pdf	1031564	no	13
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18	NPL Documents	Fast-Key-Exchange.pdf	1575010	no	14
			2890fd4ab0b546c5e9700157fc33a71d04ffa6cb		
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19	NPL Documents	Fast-Multiplication-on-Elliptic-Curves.pdf	689314	no	12
			8dae1db0663934a5fcb92836ef94c744a8be0269		
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20	NPL Documents	From-Euclids-GCD-to-Montgomery.pdf	542033	no	14
			bcb6b3e2e654e26df2efc42b2e14aa6796717913		
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21	NPL Documents	Generalizations-of-the-Karatsuba-Algorithm.pdf	736556	no	24
			46df89b70ec81d19e88a3c000dba20a1e6c1ffb5		
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22	NPL Documents	Guide-To-Elliptical-Curve-Cryptography.pdf	3711315	no	57
			40fe261296737eb895c735bb2e092902e4f4a602		
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23	NPL Documents	High-Radix.pdf	449413	no	6
			08e93b895bb7c7259fbb6ddb944ee958eaddb2279		
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24	NPL Documents	Incomplete-Reduction.pdf	510750	no	8
			7694e6fb232137dcb321747e89a8b7f0af9ace9b		
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Information:					
25	NPL Documents	Low-Energy-Digit-Serial-Parallel-Finite.pdf	969608	no	18
			3313b1ba1df5b40e05139ab548aba05e1af70dd9		
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Information:					
26	NPL Documents	Mastrovito-Multiplier.pdf	932278	no	16
			ad4a839670d0c8c678512cf2ce35afea8b60c923		
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27	NPL Documents	Rapid-Prototyping.pdf	471348	no	6
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Warnings:					
Information:					
28	NPL Documents	Reconfigurable-implementation.pdf	602384	no	8
			3dc39ca3836372a84bb5f78bdbab15b5b04a70d0		
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29	NPL Documents	RFC-2246-on-The-TLS-Protocol.pdf	3045563	no	82
			34b39b6b1000edcc244f724def0b5e4201915d05		
Warnings:					
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30	NPL Documents	Speeding-Up-Secure-Web.pdf	751639	no	9
			ebd6a05c63769d929e7b73be83391b934b1bcd01		
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31	NPL Documents	Standards-for-Efficient-Cryptography.pdf	1923644	no	52
			650710d58638ec34c0e7c281378fbd87809477fc		
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32	NPL Documents	TWIRL.pdf	370110	no	5
			488d34c5e4ee732bffb956f8fa0843fabc568d48		
Warnings:					
Information:					
33	NPL Documents	Use-of-Elliptic-Curves.pdf	547568	no	10
			1499b326e60f4b915f1a53edec0fa7f9e67ea6b8		
Warnings:					
Information:					
34	Fee Worksheet (PTO-06)	fee-info.pdf	30028	no	2
			d2f4f28e0cd203bab66f77aafa9d6eca245125ef		
Warnings:					
Information:					
Total Files Size (in bytes):			32353726		

**This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.**

**New Applications Under 35 U.S.C. 111**

**If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.**

**National Stage of an International Application under 35 U.S.C. 371**

**If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.**

**New International Application Filed with the USPTO as a Receiving Office**

**If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.**